

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently amended) A silicone coating composition comprising:

(I) a first coating layer comprising a silicone composition (X) obtained by a method comprising reacting:

(A) 100 parts by weight of at least one organosiloxane compound containing an average of greater than two alkenyl groups per molecule and having less than 1.5 mol % of silicon-bonded hydroxy groups wherein the organosiloxane compound is selected from

(i) — an organosiloxane compound comprising $R^2_3SiO_{1/2}$ units and $SiO_{4/2}$ units, wherein the molar ratio of $R^2_3SiO_{1/2}$ units to $SiO_{4/2}$ units is from 0.05 to 4.0,

(ii) — an organosiloxane compound comprising $R^2_3SiO_{1/2}$ units and $R^1SiO_{3/2}$ units, wherein the molar ratio of $R^2_3SiO_{1/2}$ units to $R^1SiO_{3/2}$ units is from 0.05 to 3.0, or

(iii) — an organosiloxane compound comprising $R^2_3SiO_{1/2}$ units, $R^1SiO_{3/2}$ units, and $SiO_{4/2}$ units, wherein the molar ratio of $R^2_3SiO_{1/2}$ units to $R^1SiO_{3/2}$ units is from 0.05 to 3.0, and the molar ratio of $R^2_3SiO_{1/2}$ and $R^1SiO_{3/2}$ units combined to $SiO_{4/2}$ units is from 4 to 99;

(iv) — an organosiloxane compound comprising $R^2_3SiO_{1/2}$ units, $R^1SiO_{3/2}$ units, and $R^2_2SiO_{2/2}$ units, wherein the molar ratio of $R^2_3SiO_{1/2}$ units to $R^1SiO_{3/2}$ units is from 0.05 to 3.0, and the molar ratio of $R^2_3SiO_{1/2}$ units and $R^1SiO_{3/2}$ units combined to $R^2_2SiO_{2/2}$ units is from 0.5 to 99;

(v) — an organosiloxane compound comprising $R^2_2SiO_{2/2}$ units and $R^1SiO_{3/2}$ units, wherein the molar ratio of $R^2_2SiO_{2/2}$ units to $R^1SiO_{3/2}$ units is from 0.2 to 4.0;

(vi) — an organosiloxane compound comprising $R^2_2SiO_{2/2}$ units and $R^2_3SiO_{4/2}$ units, wherein the molar ratio of $R^2_2SiO_{2/2}$ units to $R^2_3SiO_{4/2}$ units is from 0 to 15,000, and

(vii) an organosiloxane compound comprising $R^2_2SiO_{2/2}$ units, $R^2_3SiO_{4/2}$ units, and $SiO_{2/2}$ units, wherein the molar ratio of $SiO_{2/2}$ units to $R^2_2SiO_{2/2}$ units and $R^2_3SiO_{4/2}$ units combined is from 0.005 to 0.125, wherein R^+ is a hydrocarbon group free of aliphatic unsaturation and R^2 is selected from R^+ and alkenyl groups;

(B) at least one organohydrogensilicon compound in an amount sufficient to crosslink (A) selected from

(i) an organohydrogensilane compound having the formula $HR^3_2SiR^4SiR^3_2H$ wherein R^3 is a hydrocarbon group free of aliphatic unsaturation and R^4 is a divalent hydrocarbon group and

(ii) an organohydrogensiloxane compound having the formula $(HR^3_aSiO_{(3-a)/2})_b(R^1_cSiO_{(4-c)/2})_d$ wherein R^1 and R^3 are as defined above, $1 \leq a \leq 2$, $0 \leq c \leq 3$, the value of $b+d$ provides a molecular weight of 134 to 75,000, and with the proviso that there are at least two SiH groups per molecule;

(C) a catalytic amount of a hydrosilylation catalyst; and
optionally (D) an inorganic filler; and
(II) a second coating layer in contact with the coating layer (I), the second coating layer comprising a silicone composition (Y) obtained by a method comprising reacting:

(A') 100 parts by weight of at least one organosiloxane compound containing an average of greater than two alkenyl groups per molecule and having less than 1.5 mol % of silicon-bonded hydroxy groups, wherein the organosiloxane compound is selected from

(i) an organosiloxane compound comprising $R^2_2SiO_{2/2}$ units and

$R^2_3SiO_{1/2}$ units, wherein the molar ratio of $R^2_2SiO_{2/2}$ units and $R^2_3SiO_{1/2}$ units is from 0 to 15,000 and

(ii) an organosiloxane compound comprising $R^2_3SiO_{1/2}$ units and $SiO_{4/2}$ units, wherein the molar ratio of $R^2_3SiO_{1/2}$ units to $SiO_{4/2}$ units is from 0.05 to 4.0 wherein R^2 is selected from hydrocarbon groups free of aliphatic unsaturation and alkenyl groups;

(B') at least one organohydrogensilicon compound in an amount sufficient to crosslink (A') selected from

(i) an organohydrogensilane compound having the formula $HR^3_2SiR^4SiR^3_2H$ and
(ii) an organohydrogensiloxane compound having the formula $(HR^3_aSiO_{(3-a)/2})b(R^1_cSiO_{(4-c)/2})d$ wherein R^1 and R^3 are each independently a hydrocarbon group free of aliphatic unsaturation, R^4 is a divalent hydrocarbon group, $1 \leq a \leq 2$, $0 \leq c \leq 3$, the value of $b+d$ provides a molecular weight of 134 to 75,000, and with the proviso that there are at least two SiH groups per molecule;

(C') a catalytic amount of a hydrosilylation catalyst; and

optionally (D') an inorganic filler

with the proviso that the molar ratio of $R^2_2SiO_{2/2}$ units to all other units combined is higher in composition (Y) than in composition (X), and the surface energy of composition (Y) is lower than Composition (X).

2. A silicone coating composition according to Claim 1, wherein the hydrocarbon group free of aliphatic unsaturation is independently selected from methyl and phenyl and the alkenyl group is vinyl.

3. (Canceled).

4. (Currently amended) A method of making an article of manufacture comprising the steps of:
(I) applying a silicone composition (Y) to a substrate to form a coating 1 to 500 micrometer thick
wherein silicone composition (Y) is obtained by a method comprising reacting:

(A') 100 parts by weight of at least one organosiloxane compound containing an average
of greater than two alkenyl groups per molecule and having less than 1.5 mol % of silicon-
bonded hydroxy groups, wherein the organosiloxane compound is selected from

(i) an organosiloxane compound comprising $R^2_2SiO_2/2$ units and
 $R^2_3SiO_1/2$ units, wherein the molar ratio of $R^2_2SiO_2/2$ units and $R^2_3SiO_1/2$ units is between 0
and 15,000 and

(ii) an organosiloxane compound comprising $R^2_3SiO_1/2$ units and $SiO_4/2$
units, wherein the molar ratio of $R^2_3SiO_1/2$ units to $SiO_4/2$ units is from 0.05 to 4.0
wherein R^2 is selected from hydrocarbon groups free of aliphatic unsaturation and alkenyl
groups;

(B') at least one organohydrogensilicon compound in an amount sufficient to crosslink
(A') selected from

(i) an organohydrogensilane compound having the formula
 $HR^3_2SiR^4SiR^3_2H$ and
(ii) an organohydrogensiloxane compound having the formula
 $(HR^3_aSiO_{(3-a)/2})_b(R^1_cSiO_{(4-c)/2})_d$
wherein R^1 and R^3 are each independently a hydrocarbon group free of aliphatic unsaturation,
 R^4 is a divalent hydrocarbon group, $1 \leq a \leq 2$, $0 \leq c \leq 3$, the value of $b+d$ provides a molecular
weight of 134 to 75,000, and with the proviso that there are at least two SiH groups per molecule;

(C') a catalytic amount of a hydrosilylation catalyst; and
optionally (D') an inorganic filler;

(II) curing silicone composition (Y);

(III) forming a pattern on top of the product of step (II);

(IV) applying a silicone composition (X) over the pattern of step (III) wherein

silicone composition (X) is obtained by a method comprising reacting:

(A) 100 parts by weight of at least one organosiloxane compound containing an average of greater than two alkenyl groups per molecule and having less than 1.5 mol % of silicon-bonded hydroxy groups wherein the organosiloxane compound is selected from

- (i) — an organosiloxane compound comprising $R^2_3SiO_{1/2}$ units and $SiO_{4/2}$ units, wherein the molar ratio of $R^2_3SiO_{1/2}$ units to $SiO_{4/2}$ units is from 0.05 to 4.0,
- (ii) — an organosiloxane compound comprising $R^2_3SiO_{1/2}$ units and $R^1SiO_{3/2}$ units, wherein the molar ratio of $R^2_3SiO_{1/2}$ units to $R^1SiO_{3/2}$ units is from 0.05 to 3.0, or
- (iii) — an organosiloxane compound comprising $R^2_3SiO_{1/2}$ units, $R^1SiO_{3/2}$ units, and $SiO_{4/2}$ units, wherein the molar ratio of $R^2_3SiO_{1/2}$ units to $R^1SiO_{3/2}$ units is from 0.05 to 3.0, and the molar ratio of $R^2_3SiO_{1/2}$ and $R^1SiO_{3/2}$ units combined to $SiO_{4/2}$ units is from 4 to 99,
- (iv) — an organosiloxane compound comprising $R^2_3SiO_{1/2}$ units, $R^1SiO_{3/2}$ units, and $R^2_2SiO_{2/2}$ units, wherein the molar ratio of $R^2_3SiO_{1/2}$ units to $R^1SiO_{3/2}$ units is from 0.05 to 3.0, and the molar ratio of $R^2_3SiO_{1/2}$ units and $R^1SiO_{3/2}$ units combined to $R^2_2SiO_{2/2}$ units is from 0.5 to 99,
- (v) — an organosiloxane compound comprising $R^2_2SiO_{2/2}$ units and $R^1SiO_{3/2}$ units, wherein the molar ratio of $R^2_2SiO_{2/2}$ units to $R^1SiO_{3/2}$ units is from 0.2 to 4.0,
- (vi) — an organosiloxane compound comprising $R^2_2SiO_{2/2}$ units and $R^2_3SiO_{1/2}$ units, wherein the molar ratio of $R^2_2SiO_{2/2}$ units to $R^2_3SiO_{1/2}$ units is from 0 to 15,000, and
- (vii) an organosiloxane compound comprising $R^2_2SiO_{2/2}$ units,

$R^2_3SiO_{4/2}$ units, and $SiO_{2/2}$ units, wherein the molar ratio of $SiO_{2/2}$ units to $R^2_2SiO_{2/2}$ units and $R^2_3SiO_{4/2}$ units combined is from 0.005 to 0.125;

wherein R^+ is a hydrocarbon group free of aliphatic unsaturation and R^2 is selected from R^+ and alkenyl groups;

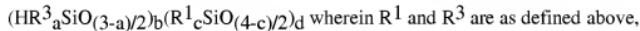
(B) at least one organohydrogensilicon compound in an amount sufficient to crosslink (A) selected from

(i) an organohydrogensilane compound having the formula



wherein R^3 is a hydrocarbon group free of aliphatic unsaturation and R^4 is a divalent hydrocarbon group and

(ii) an organohydrogensiloxane compound having the formula



$1 \leq a \leq 2$, $0 \leq c \leq 3$, the value of $b+d$ provides a molecular weight of 134 to 75,000, and with the proviso that there are at least two SiH groups per molecule;

(C) a catalytic amount of a hydrosilylation catalyst; and

optionally (D) an inorganic filler;

(V) curing silicone composition (X)

with the proviso that the molar ratio of $R^2_2SiO_{2/2}$ units to all other units combined is higher in silicone composition (Y) than in the silicone composition (X), and the surface energy of the cured composition (Y) is lower than the cured silicone composition (X); and

(VI) separating the cured silicone composition (X) of step (V) from the substrate.

5. A method according to Claim 4, wherein the hydrocarbon group free of aliphatic unsaturation is independently selected from methyl and phenyl and the alkenyl group is vinyl.

6. (Canceled).

7. (Canceled).

8. (Canceled).

9. (Canceled).

10. (Canceled).